

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/518,057  
Source: PCT  
Date Processed by STIC: 01/05/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

## RAW SEQUENCE LISTING

DATE: 01/05/2006

PATENT APPLICATION: US/10/518,057

TIME: 11:26:42

Input Set : A:\PCT-JP03-07838seq.txt

Output Set: N:\CRF4\01052006\J518057.raw

3 <110> APPLICANT: TAKARA BIO INC.  
 5 <120> TITLE OF INVENTION: Enzyme for digesting sulfated fucan from seacucumber  
 7 <130> FILE REFERENCE: 663848  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/518,057  
 C--> 9 <141> CURRENT FILING DATE: 2004-12-16  
 9 <150> PRIOR APPLICATION NUMBER: JP 2002-180490  
 10 <151> PRIOR FILING DATE: 2002-06-20  
 12 <150> PRIOR APPLICATION NUMBER: JP 2002-239843  
 13 <151> PRIOR FILING DATE: 2002-08-20  
 15 <160> NUMBER OF SEQ ID NOS: 1

Does Not Comply  
 Corrected Diskette Needed

(p9-1)

## ERRORED SEQUENCES

17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 1521  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Fucoidanobacter marinus SI-0098  
 22 <400> SEQUENCE: 1

|         |             |            |             |             |             |             |      |
|---------|-------------|------------|-------------|-------------|-------------|-------------|------|
| 23      | agagtttgat  | cctggctcag | aatgaacgct  | ggcggcgtgg  | ttcagacatg  | caagtcgaac  | 60   |
| 24      | gggattgtct  | agttagcttg | ctaattagac  | atgagagtgg  | cgaacgggtg  | cgtaacacgt  | 120  |
| E--> 25 | aaagaaccta  | cccttatgtg | ggggatagct  | caccgaacgg  | tgaattaata  | ccgcatgtgg  | 180  |
| E--> 26 | tctctcttca  | catgaagagt | acactnaagc  | tggggacctt  | cgggcctggc  | gcatagggag  | 240  |
| E--> 27 | ggctttgcgg  | cctatcagct | tggttggtgag | gtaacggctc  | accaaggcaa  | agaacnggtag | 300  |
| 28      | ctgggtctgag | aagatgatca | gccacactgg  | aacttagaca  | cggctccagac | acctacgggt  | 360  |
| 29      | ggcagcagtt  | tcgaatcttt | cacaatgggc  | gaaagcctga  | tggagcaacg  | ccgcgtgggg  | 420  |
| 30      | gatgaaggcc  | ttcgggttgt | aaacccctgt  | caccaaggat  | aaaacgtaat  | ctattaatac  | 480  |
| 31      | taggttgctt  | gatgtaactt | ggagaggaag  | gagtggtctaa | ctctgtgccg  | gcagccgcgg  | 540  |
| 32      | taatacagag  | actccaagcg | ttattcggat  | tacttgggcg  | taaagggagc  | gcaggcggcc  | 600  |
| 33      | agatgtgtca  | gaggtgaaat | accgcagctt  | aactgtagaa  | ctgcctttga  | aactatcttg  | 660  |
| 34      | ctagagtatc  | ggagaggtaa | gcggaattcc  | aggtgtagca  | gtgaaatgcg  | tagatatctg  | 720  |
| 35      | gaggaacacc  | aatggcgaag | gcagcttact  | ggacgattac  | tgacgctcag  | gctcgaaagc  | 780  |
| 36      | atggggagcg  | aaagggatta | gatacccctg  | tagtccatgc  | cgtaaacggt  | gttcactagg  | 840  |
| 37      | tatcgggaca  | ttcgaccgtc | tcgggtgctca | agctaacgcg  | ataagtgaac  | cgcctgagga  | 900  |
| 38      | ctacggccgc  | aaggctaaaa | ctcaaaggaa  | ttgacgggag  | cctgcacaag  | cggtggagca  | 960  |
| 39      | tgtggcttaa  | ttcgatgcaa | cgcgagaac   | cttacctagg  | cttgacatgc  | agtggaccgg  | 1020 |
| 40      | ggcagagatg  | ccctttctct | tcggagccgc  | tgcacaggtg  | ctgcatggct  | gtcgtcagct  | 1080 |
| 41      | cgtgtcgtga  | gatgtttggt | taagtccagc  | aacgagcgca  | acccttgcca  | ctagttgccg  | 1140 |
| 42      | gcattaagtt  | ggggactcta | gtgggacaaa  | ctctctctga  | gagtgggaag  | gtggggacga  | 1200 |
| 43      | cgtcaagtca  | gtatggccct | tacgtctaag  | gctgcacacg  | tgctacaatg  | cccggtagag  | 1260 |
| 44      | agggacgcga  | taccgcgagg | tggagcaaat  | ccctaaagcc  | gggcccagtt  | cagattggag  | 1320 |
| 45      | tctgcaactc  | gactccatga | agttggaatc  | gctagtaatg  | gcgcatcagc  | tatggcgccg  | 1380 |
| 46      | tgaatacgtt  | cccaggcctt | gtacacaccg  | cccgtcacgt  | tatggaagcc  | ggttttgccc  | 1440 |

p/s Explain  
 n' locations  
 See page  
 3 for  
 Error  
 Explanation.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/518,057

DATE: 01/05/2006

TIME: 11:26:42

Input Set : A:\PCT-JP03-07838seq.txt

Output Set: N:\CRF4\01052006\J518057.raw

47 gaagtatggt agctaaccgg caagggaggc gatgtcctaa ggtgaggctg gtaactggaa 1500  
48 cgaagtcgta acaaggtagc c 1521

VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/10/518,057

DATE: 01/05/2006

TIME: 11:26:43

Input Set : A:\PCT-JP03-07838seq.txt

Output Set: N:\CRF4\01052006\J518057.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

*Error Explanations*

Seq#:1; N Pos. 158,206,295

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/518,057

DATE: 01/05/2006

TIME: 11:26:43

Input Set : A:\PCT-JP03-07838seq.txt

Output Set: N:\CRF4\01052006\J518057.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:25 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1

L:26 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1

L:27 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1